

Read the scenario. Answer the question by completing each of the four modes below.

<p>Create a visual.</p>	<p>Solve by showing work</p>
<p>Explain what you did <u>and</u> why you did it.</p>	<p>Describe how this problem applies to real life.</p>

4 square grading rubric

Name _____

	<u>Total Points</u> _____/16	4	3	2	1
<u>Strategic Knowledge</u>	Picture	My drawing demonstrates exceptional understanding of the problem. All aspects of my drawing are labeled clearly & correctly.	My drawing shows that I understand the problem, but I am missing labels in places or have incorrect labels.	My drawing isn't complete enough to show that I have a good understanding of the problem.	My drawing doesn't show that I understand the problem.
<u>Mathematical Knowledge</u>	Mathematical Solution	My mathematical solution is accurate & parts are labeled correctly. My solution shows all the steps I took to correctly identify my final answer.	My solution is missing one thing--either labels or a step--but you can identify what I was working toward. My answer is correct.	My solution is correct but is missing both labels and steps; it is hard to decipher where my work was leading. -OR- My answer is not correct.	I do not have a clear solution process, nor is my answer correct.
<u>Knowledge of Explanation</u>	Explanation	My written explanation includes each step taken to reach the solution, why I took each step & my process is correct.	I explained everything & told why I did it, but I didn't do the problem correctly. -OR- My answer is correct, but I left out 1-2 details in my explanation.	I left out 3+ details or explained a portion incorrectly, even though my answer is correct. -OR- My answer is incorrect & I didn't explain my process completely.	My explanation is quite different than my work, regardless if my answer is correct or not.
	Real Life Comparison	My real life comparison accurately reflects the mathematical concept used in the problem. The relationship I have shown is strong, clear and can be easily understood.	My real life comparison shows that I understand the problem & process used in the problem, but the connection is not completely clear.	My real life comparison is heading in the right direction, but information is missing to determine if the process would be the same. -OR- All I did was restate the problem without making a connection.	My real life comparison has not established a relationship with my problem.

Teacher Comments: